

## Incident Title:

Lost Time Injury - Third-Degree Burn

## Date of Incident:

Tuesday, 18 June 2019

## Incident Description and Details:

A welder had just finished welding a 1-inch elbow on a pipe. As he continued to the next weld the workers overalls were touching the hot weld causing his overalls to catch fire. The welder did not realise his clothing was on fire until he smelt his overall burning. He suffered a burn to his left elbow and forearm requiring a skin graft.

The investigation into the incident found that the person was wearing cotton overalls which were loose fitting and a polyester undershirt.

## Recommendations / Lessons:

- As per the Safe Welding and Oxy Cutting Procedure all welding personnel must wear flame retardant clothing.
- Welding personnel must also complete a task specific risk assessment in the job planning to determine if additional PPE such as welders' gloves or gauntlets, leather jackets, aprons and spats are appropriate.
- Work positioning controls should be considered as part of the JSA or S.T.A.R.T Right.
- Clothing should be an appropriate size as loose clothing creates a fire hazard.
- If undershirts are worn, they should be cotton.

10<sup>th</sup> July 2019

190711

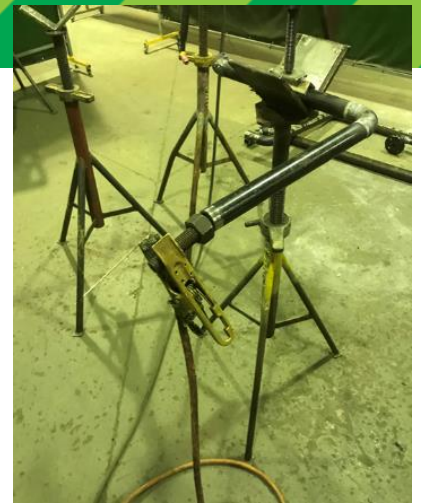


Figure 1: 1-inch pipe spool being worked on at the time of the incident.

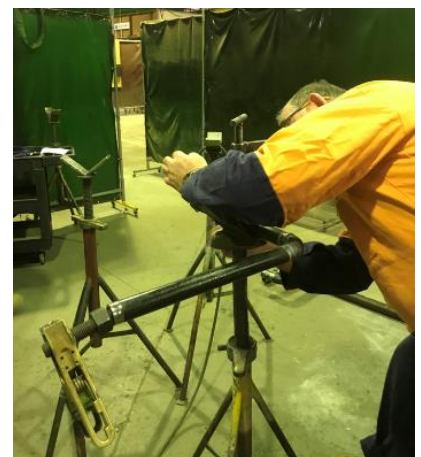


Figure 2: Position worker was in at time of incident. His left elbow was touching the hot weld indicated.

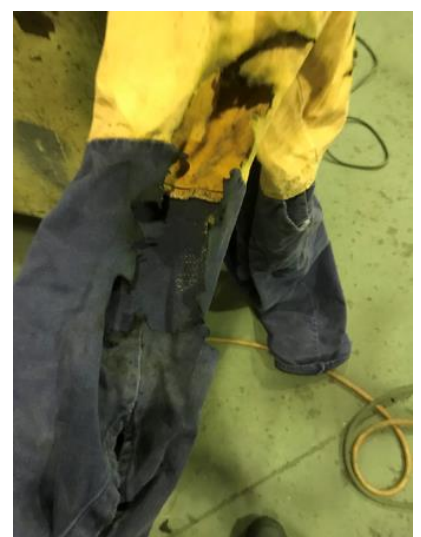


Figure 3: Overalls after the incident.